

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method of scanning an object including the steps of:
moving a first scan line during scanning relative to the object in a top to bottom scan direction;
indexing a plurality of cross linear samplings in a forward sequential order;
moving a second during scanning scanline relative to the object in a bottom to top scan direction; and
indexing a plurality of cross linear samplings in a reverse sequential order.
2. (Original) The method of scanning an image of claim 1 wherein the object further comprises an image bearing media.
3. (Original) A method of scanning image bearing media with an optical scanning device including the steps of:
scanning a first image bearing media in a top to bottom scan direction;
indexing a plurality of cross linear samplings in a forward sequential order;
scanning a second image bearing media in a bottom to top scan direction; and
indexing a plurality of cross linear samplings in a reverse sequential order.
4. (Original) The method of scanning image bearing media of claim 3 including the steps of:
feeding the first image bearing media from an automatic document feeding device to the scanning device; and

feeding the second image bearing media from the automatic document feeding device to the scanning device.

5. (Original) A method of scanning image bearing media with a flatbed optical scanning device including the steps of:

- feeding a first image bearing media from an automatic document feeding device to a flatbed scanning device;
- scanning the first image bearing media in a top to bottom scan direction;
- indexing a plurality of cross linear samplings in a forward sequential order;
- feeding a second image bearing media from the automatic document feeding device to the scanning device;
- scanning the second image bearing media in a bottom to top scan direction; and
- indexing a plurality of cross linear samplings in a reverse sequential order.

6. (Original) The method of scanning image bearing media of claim 5 including the step of sensing a carriage assembly travel direction.

7. (Original) The method of scanning image bearing media of claim 5 including the step of sensing a carriage assembly travel limit.

8. (Original) An optical scanning device for producing machine-readable data representative of an object comprising:

- a scanner controller;
- a transport assembly connected to the scanner controller for moving a scanline relative to the object in a top to bottom scan direction followed by moving the scanline relative to the object in a bottom to top scan direction;
- an imaging assembly connected to the scanner controller and operable in successive sampling intervals for generating a plurality of cross linear samplings image data representative of the object;
- an automatic document feeder connected to the scanner controller and operable in response to the scanner controller;

a processing device responsive to a scan direction travel limit for selectively indexing a plurality of cross linear samplings in a forward sequential order; and
a processing device responsive to a scan direction travel limit for selectively indexing a plurality of cross linear samplings in a reverse sequential order.